GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 25, 2003, 11:49:40 ; Search time 14.08 Seconds
(without alignments)
33.435 Million cell updates/sec

Title: US-09-869-540A-2_COPY_4_19
Perfect score: 95
Sequence: 1 MLRCMLGRVYRPCWQV 16

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	95	100.0	21	4	US-09-218-467B-8	Sequence 8, Appli
2	62	65.3	17	1	US-07-992-288-5	Sequence 5, Appli
3	62	65.3	17	1	US-07-989-764-5	Sequence 5, Appli
4	42	44.2	52	1	US-08-247-475-38	Sequence 38, Appl
5	42	44.2	52	1	US-08-479-650-38	Sequence 38, Appl
6	42	44.2	52	1	US-08-191-866D-60	Sequence 60, Appl
7	42	44.2	52	1	US-08-674-169-38	Sequence 38, Appl
8	42	44.2	52	2	US-08-185-949B-60	Sequence 60, Appl
9	42	44.2	155	1	US-08-150-203A-7	Sequence 7, Appli
10	42	44.2	155	1	US-08-454-730-7	Sequence 7, Appli
11	42	44.2	155	4	US-08-949-788-7	Sequence 7, Appli
12	42	44.2	577	6	5352575-9	Patent No. 5352575
13	40	42.1	493	1	US-08-341-916-2	Sequence 2, Appli
14	40	42.1	493	1	US-08-805-166-2	Sequence 2, Appli
15	40	42.1	493	2	US-08-805-169-2	Sequence 2, Appli
16	40	42.1	493	2	US-08-957-365-2	Sequence 2, Appli
17	40	42.1	493	2	US-08-957-364-2	Sequence 2, Appli
18	40	42.1	493	4	US-08-476-123-12	Sequence 12, Appl
19	40	42.1	1711	2	US-08-342-930-2	Sequence 2, Appli
20	39.5	41.6	86	4	US-09-300-008B-55	Sequence 55, Appl
21	39	41.1	523	3	US-08-651-999A-2	Sequence 2, Appli
22	39	41.1	523	4	US-09-385-752-2	Sequence 2, Appli
23	39	41.1	1614	4	US-09-052-469-2	Sequence 2, Appli
24	39	41.1	4302	3	US-08-658-136-5	Sequence 5, Appli
25	39	41.1	4302	4	US-09-052-469-8	Sequence 8, Appli
26	39	41.1	4303	2	US-08-460-751-2	Sequence 2, Appli
27	39	41.1	4339	4	US-09-052-469-6	Sequence 6, Appli
28	38.5	40.5	166	2	US-08-631-328-55	Sequence 55, Appl
29	38.5	40.5	166	4	US-09-339-913B-86	Sequence 86, Appl
30	38.5	40.5	166	4	US-09-339-904A-86	Sequence 86, Appl
31	38.5	40.5	166	4	US-08-769-062B-86	Sequence 86, Appl
32	38.5	40.5	166	4	US-09-344-002B-86	Sequence 86, Appl
33	38.5	40.5	166	4	US-09-559-565C-86	Sequence 86, Appl
34	38.5	40.5	189	1	US-08-026-758-18	Sequence 18, Appl
35	38.5	40.5	189	4	US-09-206-935-17	Sequence 17, Appl
36	38.5	40.5	189	4	US-09-206-936-17	Sequence 17, Appl
37	38.5	40.5	189	4	US-09-487-792-10	Sequence 10, Appl
38	38	40.0	490	1	US-08-201-118-5	Sequence 5, Appli
39	38	40.0	490	1	US-08-201-118-11	Sequence 11, Appl
40	38	40.0	490	2	US-08-238-821B-5	Sequence 5, Appli
41	38	40.0	490	2	US-08-238-821B-11	Sequence 11, Appl
42	38	40.0	490	5	PCT-US95-05744-5	Sequence 5, Appli
43	38	40.0	490	5	PCT-US95-05744-11	Sequence 11, Appl
44	38	40.0	2353	4	US-08-984-709A-50	Sequence 50, Appl
45	37	38.9	83	2	US-09-047-125-33	Sequence 33, Appl

ALIGNMENTS

RESULT 1
US-09-218-467B-8
; Sequence 8, Application US/09218467B
; Patent No. 6362326
; GENERAL INFORMATION:
; APPLICANT: SATHE, GANESH
; APPLICANT: ELLIS, CATHERINE
; APPLICANT: HALSEY, WENDY
; APPLICANT: BERGSMA DERK
; TITLE OF INVENTION: 11cby Genomic Sequence
; FILE REFERENCE: GP-50010
; CURRENT APPLICATION NUMBER: US/09/218,467B
; CURRENT FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 21
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-09-218-467B-8

Query Match 100.0%; Score 95; DB 4; Length 21;
Best Local Similarity 100.0%; Pred. No. 4.1e-09;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLRCMLGRVYRPCWQV 16
||||||||||||||||
Db 5 MLRCMLGRVYRPCWQV 20

RESULT 2
US-07-992-288-5
; Sequence 5, Application US/07992288
; Patent No. 5338831
; GENERAL INFORMATION:
; APPLICANT: Lebel, Michal
; APPLICANT: Eichler, Jutta
; APPLICANT: Pokorny, Vit
; APPLICANT: Jehnicka, Jiri
; APPLICANT: Mudra, Petr
; APPLICANT: Zenisek, Karel
; APPLICANT: Stierandova, Alena
; APPLICANT: Kalousek, Jan
; APPLICANT: Bolf, Jan
; TITLE OF INVENTION: METHOD OF MAKING MULTIPLE SYNTHESIS OF
; TITLE OF INVENTION: PEPTIDES ON SOLID SUPPORT
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dressler, Goldsmith, Shore & Milnamow, Ltd.
; STREET: 180 No. 5338831th Stetson, Suite 4700

```
;      CITY:  Chicago
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60601
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/992,288
;      FILING DATE:
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/645,121
;      FILING DATE:  24-JAN-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hoover, Allen J.
;      REGISTRATION NUMBER:  24,103
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312)616-5400
;      TELEFAX:  (312)616-5460
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-07-992-288-5

  Query Match             65.3%;  Score 62;  DB 1;  Length 17;
  Best Local Similarity   66.7%;  Pred. No. 0.00071;
  Matches   10;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          2 LRCMLGRVYRPCWQV 16
              :| |:|||||| |:|
Db          3 MRSMVGRVYRPSWEV 17


RESULT 3
US-07-989-764-5
; Sequence 5, Application US/07989764
; Patent No. 5342585
;  GENERAL INFORMATION:
;    APPLICANT:  Lebel, Michal
;    APPLICANT:  Eichler, Jutta
;    APPLICANT:  Pokorny, Vit
;    APPLICANT:  Jehnicka, Jiri
;    APPLICANT:  Mudra, Petr
;    APPLICANT:  Zenisek, Karel
;    APPLICANT:  Stierandova, Alena
;    APPLICANT:  Kalousek, Jan
;    APPLICANT:  Bolf, Jan
;    TITLE OF INVENTION:  APPARATUS FOR MAKING MULTIPLE SYNTHESIS
;    TITLE OF INVENTION:  OF PEPTIDES ON SOLID SUPPORT
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dressler, Goldsmith, Shore & Milnamow, Ltd.
;      STREET:  180 No. 5342585th Stetson, Suite 4700
;      CITY:  Chicago
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60601
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/989,764
;      FILING DATE:
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/645,121
;      FILING DATE:  24-JAN-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hoover, Allen J.
;      REGISTRATION NUMBER:  24,103
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312)616-5400
;      TELEFAX:  (312)616-5460
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-07-989-764-5

  Query Match             65.3%;  Score 62;  DB 1;  Length 17;
  Best Local Similarity   66.7%;  Pred. No. 0.00071;
  Matches   10;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          2 LRCMLGRVYRPCWQV 16
              :| |:|||||| |:|
Db          3 MRSMVGRVYRPSWEV 17


RESULT 4
US-08-247-475-38
; Sequence 38, Application US/08247475
; Patent No. 5593873
;  GENERAL INFORMATION:
;    APPLICANT:  Cochran, Mark D.
;    APPLICANT:  Macdonald, Richard D.
;    TITLE OF INVENTION:  Recombinant Infectious Bovine
;    TITLE OF INVENTION:  Rhinotracheitis Virus
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  John P. White
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/247,475
;      FILING DATE:  May 23, 1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 278-0400
;      TELEFAX:  (212) 391-0525
;      TELEX:  422523
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  52 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Pseudorabies Virus
US-08-247-475-38

  Query Match             44.2%;  Score 42;  DB 1;  Length 52;
  Best Local Similarity   63.6%;  Pred. No. 3.6;
```

```
  Matches    7;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          3 RCMLGRVYRPC 13
              ||:|  || ||
Db          9 RCLLYYVYEPC 19


RESULT 5
US-08-479-650-38
; Sequence 38, Application US/08479650
; Patent No. 5599544
;  GENERAL INFORMATION:
;    APPLICANT:  Cochran, Mark D.
;    APPLICANT:  Macdonald, Richard D.
;    TITLE OF INVENTION:  Recombinant Infectious Bovine
;    TITLE OF INVENTION:  Rhinotracheitis Virus
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  John P. White
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/479,650
;      FILING DATE:  June 7, 1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 278-0400
;      TELEFAX:  (212) 391-0525
;      TELEX:  422523
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  52 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Pseudorabies Virus
US-08-479-650-38

  Query Match             44.2%;  Score 42;  DB 1;  Length 52;
  Best Local Similarity   63.6%;  Pred. No. 3.6;
  Matches    7;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          3 RCMLGRVYRPC 13
              ||:|  || ||
Db          9 RCLLYYVYEPC 19


RESULT 6
US-08-191-866D-60
; Sequence 60, Application US/08191866D
; Patent No. 5783195
;  GENERAL INFORMATION:
;    APPLICANT:  Cochran, Mark D
;    APPLICANT:  Macdonald, Richard D.
;    TITLE OF INVENTION:  Recombinant Infectious Bovine
;    TITLE OF INVENTION:  Rhinotracheitis Virus S-IBR-052 And Uses Thereof
;    NUMBER OF SEQUENCES:  99
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  John P. White
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/191,866D
;      FILING DATE:  4 February 1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 278-0400
;      TELEFAX:  (212) 391-0525
;      TELEX:  422523
;  INFORMATION FOR SEQ ID NO:  60:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  52 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Pseudorabies Virus
US-08-191-866D-60

  Query Match             44.2%;  Score 42;  DB 1;  Length 52;
  Best Local Similarity   63.6%;  Pred. No. 3.6;
  Matches    7;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          3 RCMLGRVYRPC 13
              ||:|  || ||
Db          9 RCLLYYVYEPC 19


RESULT 7
US-08-674-169-38
; Sequence 38, Application US/08674169
; Patent No. 5804372
;  GENERAL INFORMATION:
;    APPLICANT:  Cochran, Mark D.
;    APPLICANT:  Macdonald, Richard D.
;    TITLE OF INVENTION:  Recombinant Infectious Bovine
;    TITLE OF INVENTION:  Rhinotracheitis Virus
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  John P. White
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/674,169
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
```

```
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 278-0400
;      TELEFAX:  (212) 391-0525
;      TELEX:  422523
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  52 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Pseudorabies Virus
US-08-674-169-38

  Query Match             44.2%;  Score 42;  DB 1;  Length 52;
  Best Local Similarity   63.6%;  Pred. No. 3.6;
  Matches    7;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          3 RCMLGRVYRPC 13
              ||:|  || ||
Db          9 RCLLYYVYEPC 19


RESULT 8
US-08-185-949B-60
; Sequence 60, Application US/08185949B
; Patent No. 5874279
;  GENERAL INFORMATION:
;    APPLICANT:  Mark D. Cochran
;    APPLICANT:  Richard D. Macdonald
;    TITLE OF INVENTION:  Recombinant Infectious Bovine
;    TITLE OF INVENTION:  Rhinotracheitis Virus
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  John P. White
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM 330 466 DX2
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/185,949B
;      FILING DATE:  03-NOV-1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  ,678
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 278-0400
;      TELEFAX:  (212) 278-0525
;  INFORMATION FOR SEQ ID NO:  60:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  52 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Protein
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Pseudorabies Virus
US-08-185-949B-60

  Query Match             44.2%;  Score 42;  DB 2;  Length 52;
  Best Local Similarity   63.6%;  Pred. No. 3.6;
  Matches    7;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          3 RCMLGRVYRPC 13
              ||:|  || ||
Db          9 RCLLYYVYEPC 19


RESULT 9
US-08-150-203A-7
; Sequence 7, Application US/08150203A
; Patent No. 5676951
;  GENERAL INFORMATION:
;    APPLICANT:  Rijsewijk, Franciscus Antonius Maria
;    APPLICANT:  van Oirschot, Johannes Theodorus
;    APPLICANT:  Maes, Roger Kamiel
;    TITLE OF INVENTION:  Bovine Herpesvirus Type 1
;    TITLE OF INVENTION:  Deletion Mutants, Vaccines Based
;    TITLE OF INVENTION:  Thereon, Diagnostic Kits For
;    TITLE OF INVENTION:  Detection Of Bovine Herpesvirus
;    TITLE OF INVENTION:  Type 1
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hoffmann & Baron
;      STREET:  350 Jericho Turnpike
;      CITY:  Jericho
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  11753
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette - 3.5 inch,
;      MEDIUM TYPE:  1.44 MB Storage
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  MS DOS
;      SOFTWARE:  WORD PERFECT 6.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/150,203A
;      FILING DATE:  December 6, 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:  No. 5676951e
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Louise A. Foutch
;      REGISTRATION NUMBER:  37,133
;      REFERENCE/DOCKET NUMBER:  294-22
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 822-3550
;      TELEFAX:  (516) 822-3582
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  155 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  Linear
US-08-150-203A-7

  Query Match             44.2%;  Score 42;  DB 1;  Length 155;
  Best Local Similarity   63.6%;  Pred. No. 11;
  Matches    7;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          3 RCMLGRVYRPC 13
              ||:|  || ||
Db         43 RCLLYYVYEPC 53


RESULT 10
US-08-454-730-7
; Sequence 7, Application US/08454730
; Patent No. 5789177
;  GENERAL INFORMATION:
;    APPLICANT:  Rijsewijk, Franciscus Antonius Maria
;    APPLICANT:  van Oirschot, Johannes Theodorus
;    APPLICANT:  Maes, Roger Kamiel
;    TITLE OF INVENTION:  Bovine Herpesvirus Type 1
;    TITLE OF INVENTION:  Deletion Mutants, Vaccines Based
```

```
;    TITLE OF INVENTION:  Thereon, Diagnostic Kits For
;    TITLE OF INVENTION:  Detection Of Bovine Herpesvirus
;    TITLE OF INVENTION:  Type 1
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hoffmann & Baron
;      STREET:  350 Jericho Turnpike
;      CITY:  Jericho
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  11753
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette - 3.5 inch,
;      MEDIUM TYPE:  1.44 MB Storage
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  MS DOS
;      SOFTWARE:  WORD PERFECT 6.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/454,730
;      FILING DATE:  May 31, 1995
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/150,203
;      FILING DATE:  December 6, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ronald J. Baron
;      REGISTRATION NUMBER:  29,281
;      REFERENCE/DOCKET NUMBER:  294-22 DIV
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 822-3550
;      TELEFAX:  (516) 822-3582
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  155 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  Linear
US-08-454-730-7

  Query Match             44.2%;  Score 42;  DB 1;  Length 155;
  Best Local Similarity   63.6%;  Pred. No. 11;
  Matches    7;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          3 RCMLGRVYRPC 13
              ||:|  || ||
Db         43 RCLLYYVYEPC 53


RESULT 11
US-08-949-788-7
; Sequence 7, Application US/08949788
; Patent No. 6403097
;  GENERAL INFORMATION:
;    APPLICANT:  Rijsewijk, Franciscus Antonius Maria
;    APPLICANT:  van Oirschot, Johannes Theodorus
;    APPLICANT:  Maes, Roger Kamiel
;    TITLE OF INVENTION:  Bovine Herpesvirus Type 1
;    TITLE OF INVENTION:  Deletion Mutants, Vaccines Based
;    TITLE OF INVENTION:  Thereon, Diagnostic Kits For
;    TITLE OF INVENTION:  Detection Of Bovine Herpesvirus
;    TITLE OF INVENTION:  Type 1
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hoffmann & Baron
;      STREET:  350 Jericho Turnpike
;      CITY:  Jericho
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  11753
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette - 3.5 inch,
;      MEDIUM TYPE:  1.44 MB Storage
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  MS DOS
;      SOFTWARE:  WORD PERFECT 6.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/949,788
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/150,203
;      FILING DATE:  22-MAR-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Louise A. Foutch
;      REGISTRATION NUMBER:  37,133
;      REFERENCE/DOCKET NUMBER:  294-22
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 822-3550
;      TELEFAX:  (516) 822-3582
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  155 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  Linear
US-08-949-788-7

  Query Match             44.2%;  Score 42;  DB 4;  Length 155;
  Best Local Similarity   63.6%;  Pred. No. 11;
  Matches    7;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          3 RCMLGRVYRPC 13
              ||:|  || ||
Db         43 RCLLYYVYEPC 53


RESULT 12
5352575-9
;Patent No. 5352575
;    APPLICANT: PETROVSKIS, ERIK A.;POST, LEONARD E.;TIMMINS, JAMES G.
;    TITLE OF INVENTION: PSEUDORABIES VIRUS PROTEIN
;    NUMBER OF SEQUENCES: 12
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/513,282
;      FILING DATE: 20-APR-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 100,817
;      FILING DATE: 29-JUN-1987
;      APPLICATION NUMBER: 886,260
;      FILING DATE: 16-JUL-1986
;      APPLICATION NUMBER: 784,787
;      FILING DATE: 04-OCT-1985
;      APPLICATION NUMBER: 801,799
;      FILING DATE: 26-NOV-1985
;      APPLICATION NUMBER: 844,113
;      FILING DATE: 26-MAR-1986
;SEQ ID NO:9:
;      LENGTH: 577
5352575-9

  Query Match             44.2%;  Score 42;  DB 6;  Length 577;
  Best Local Similarity   63.6%;  Pred. No. 40;
  Matches    7;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          3 RCMLGRVYRPC 13
              ||:|  || ||
Db        273 RCLLYYVYEPC 283


RESULT 13
US-08-341-916-2
; Sequence 2, Application US/08341916
; Patent No. 5614609
;  GENERAL INFORMATION:
;    APPLICANT:  Ib  ez, Carlos F.
;    APPLICANT:  Ryd n, Mikael
```

```
;    APPLICANT:  J rnvall, Henrik
;    TITLE OF INVENTION:  A No. 5614609el Serine Threonine Kinase Receptor
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sterne, Kessler, Goldstein & Fox
;      STREET:  1100 New York Avenue, Suite 600
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/341,916
;      FILING DATE:  Herewith
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Goldstein, Jorge A.
;      REGISTRATION NUMBER:  29,021
;      REFERENCE/DOCKET NUMBER:  1459.0230001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)371-2600
;      TELEFAX:  (202)371-2540
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  493 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-341-916-2

  Query Match             42.1%;  Score 40;  DB 1;  Length 493;
  Best Local Similarity   50.0%;  Pred. No. 71;
  Matches    5;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          5 MLGRVYRPCW 14
              ::||: | ||
Db        456 VMGRIMRECW 465


RESULT 14
US-08-805-166-2
; Sequence 2, Application US/08805166
; Patent No. 5789565
;  GENERAL INFORMATION:
;    APPLICANT:  Ib  ez, Carlos F.
;    APPLICANT:  Ryd n, Mikael
;    APPLICANT:  J rnvall, Henrik
;    TITLE OF INVENTION:  A No. 5789565el Serine Threonine Kinase Receptor
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sterne, Kessler, Goldstein & Fox
;      STREET:  1100 New York Avenue, Suite 600
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/805,166
;      FILING DATE:  24-FEB-1997
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/341,916
;      FILING DATE:  15-NOV-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Goldstein, Jorge A.
;      REGISTRATION NUMBER:  29,021
;      REFERENCE/DOCKET NUMBER:  1459.0230001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)371-2600
;      TELEFAX:  (202)371-2540
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  493 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-805-166-2

  Query Match             42.1%;  Score 40;  DB 1;  Length 493;
  Best Local Similarity   50.0%;  Pred. No. 71;
  Matches    5;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          5 MLGRVYRPCW 14
              ::||: | ||
Db        456 VMGRIMRECW 465


RESULT 15
US-08-805-169-2
; Sequence 2, Application US/08805169
; Patent No. 5811245
;  GENERAL INFORMATION:
;    APPLICANT:  Ib  ez, Carlos F.
;    APPLICANT:  Ryd n, Mikael
;    APPLICANT:  J rnvall, Henrik
;    TITLE OF INVENTION:  A No. 5811245el Serine Threonine Kinase Receptor
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sterne, Kessler, Goldstein & Fox
;      STREET:  1100 New York Avenue, Suite 600
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/805,169
;      FILING DATE:  24-FEB-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/341,916
;      FILING DATE:  15-NOV-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Goldstein, Jorge A.
;      REGISTRATION NUMBER:  29,021
;      REFERENCE/DOCKET NUMBER:  1459.0230001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)371-2600
;      TELEFAX:  (202)371-2540
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  493 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-805-169-2

  Query Match             42.1%;  Score 40;  DB 2;  Length 493;
  Best Local Similarity   50.0%;  Pred. No. 71;
  Matches    5;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          5 MLGRVYRPCW 14
              ::||: | ||
```

Db 456 VMGRIMRECW 465

Search completed: June 25, 2003, 11:56:36
Job time : 14.08 secs